

The following Listing of Claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. (Currently Amended) A bicycle control cable fixing device adapted to be coupled to a bicycle component, said bicycle control cable fixing device comprising:
a support structure having with a first cable support surface and at least one wire receiving hole; and
a cable fixing structure non-threadedly supported on said support structure to rotate about a rotation axis, said cable fixing structure having a ~~second~~ cable pressing surface and a wire receiving bore,
said cable fixing structure and said support structure being arranged and configured such that an inner wire of a bicycle control cable is secured between said ~~first~~ cable support surface and said ~~second~~ cable pressing surface in response to rotational movement of said cable fixing structure to a cable fixing position from a cable release position,
said wire receiving bore of said cable fixing structure being aligned with said wire receiving hole of said support structure when said cable fixing structure is in said cable release position to receive the inner wire therein, and
said wire receiving bore of said cable fixing structure being offset from said wire receiving hole of said support structure when said cable fixing structure is in said cable fixing position in order to secure the inner wire.

2. (Previously Presented) The bicycle control cable fixing device according to claim 1, wherein
said cable fixing structure includes a cam portion rotatably supported by said support structure and an elongated lever portion extending radially outwardly from said cam portion relative to said rotation axis.

3. (Previously Presented) The bicycle control cable fixing device according to claim 2, wherein

said support structure includes a base portion adapted to be coupled to the bicycle component and a pair of axially spaced mounting portions extending from said base portion with said cam portion of said cable fixing structure rotatably supported between said mounting portions.

4. (Previously Presented) The bicycle control cable fixing device according to claim 3, wherein

said cam portion includes a pair of axial end surfaces and a peripheral cam surface concentrically arranged relative to said rotation axis and extending between said axial end surfaces, and

said base portion includes a peripheral retaining surface disposed relative to said peripheral cam surface to retain said cable fixing structure relative to said support structure when in said cable fixing position and the inner wire is retained between said support structure and said cable fixing structure.

5. (Cancelled)

6. (Cancelled)

7. (Cancelled)

8. (Cancelled)

9. (Currently Amended) The bicycle control cable fixing device according to claim 4, wherein

at least one of said mounting portions includes an axial retaining surface forming said ~~first~~ cable support surface and disposed opposite to one of said axial end surfaces, which forms said ~~second~~ cable pressing surface, said axial retaining surface being spaced from said axial end surface by a distance to squeeze the inner wire therebetween.

10. (Previously Presented) The bicycle control cable fixing device according to claim 9, wherein

said peripheral cam surface is configured and arranged to contact said peripheral retaining surface when said cable fixing structure is located in said cable fixing position to frictionally prevent movement of said cable fixing structure about said rotation axis.

11. (Currently Amended) ~~The~~ A bicycle control cable fixing device according to claim 10, wherein adapted to be coupled to a bicycle component, said bicycle control cable fixing device comprising:

a support structure including a base portion adapted to be coupled to the bicycle component, a pair of axially spaced mounting portions extending from said base portion and a cable support surface; and

a cable fixing structure non-threadedly supported on said support structure to rotate about a rotation axis, said cable fixing structure including a cam portion rotatably supported between said mounting portions of said support structure, an elongated lever portion extending radially outwardly from said cam portion relative to said rotation axis and a cable pressing surface,

said cable fixing structure and said support structure being arranged and configured such that an inner wire of a bicycle control cable is secured between said cable support surface and said cable pressing surface in response to rotational movement of said cable fixing structure to a cable fixing position from a cable release position,

said cam portion including a pair of axial end surfaces and a peripheral cam surface concentrically arranged relative to said rotation axis and extending between said axial end surfaces, and said base portion including a peripheral retaining surface disposed relative to said peripheral cam surface to retain said cable fixing structure relative to said support structure when in said cable fixing position and the inner wire is retained between said support structure and said cable fixing structure,

at least one of said mounting portions including an axial retaining surface forming said cable support surface and disposed opposite to one of said axial end surfaces, which forms said cable pressing surface, said axial retaining surface being spaced from said axial end surface by a distance to squeeze the inner wire therebetween,

said peripheral cam surface being configured and arranged to contact said peripheral retaining surface when said cable fixing structure is located in said cable fixing position to frictionally prevent movement of said cable fixing structure about said rotation axis, and

said at least one of said mounting portions having said axial retaining surface includes a wire receiving hole that is offset from said rotation axis, and said cam portion includes a wire receiving bore that is aligned with said wire receiving hole when said cable fixing structure is located in said cable release position.

12. (Previously Presented) The bicycle control cable fixing device according to claim 9, wherein

said cam portion is freely rotatably mounted on a pivot pin that extends between said mounting portions of said support structure.

13. (Currently Amended) The bicycle control cable fixing device according to claim 4, wherein

each of said mounting portions of said support structure includes an axial retaining surface disposed opposite to one of said axial end surfaces of said cam portion, said axial retaining surfaces forming said ~~first~~ cable support surface and said axial end surfaces forming said ~~second~~ cable pressing surface.

14. (Currently Amended) ~~The~~ A bicycle control cable fixing device according to ~~claim 13, wherein~~ adapted to be coupled to a bicycle component, said bicycle control cable fixing device comprising:

a support structure including a base portion adapted to be coupled to the bicycle component, a pair of axially spaced mounting portions extending from said base portion and a cable support surface; and

a cable fixing structure non-threadedly supported on said support structure to rotate about a rotation axis, said cable fixing structure including a cam portion rotatably supported between said mounting portions of said support structure, an elongated lever portion extending radially outwardly from said cam portion relative to said rotation axis and a cable pressing surface,

said cable fixing structure and said support structure being arranged and configured such that an inner wire of a bicycle control cable is secured between said cable support surface and said cable pressing surface in response to rotational movement of said cable fixing structure to a cable fixing position from a cable release position.

said cam portion including a pair of axial end surfaces and a peripheral cam surface concentrically arranged relative to said rotation axis and extending between said axial end surfaces, and said base portion including a peripheral retaining surface disposed relative to said peripheral cam surface to retain said cable fixing structure relative to said support structure when in said cable fixing position and the inner wire is retained between said support structure and said cable fixing structure.

each of said mounting portions of said support structure including an axial retaining surface disposed opposite to one of said axial end surfaces of said cam portion, said axial retaining surfaces forming said cable support surface and said axial end surfaces forming said cable pressing surface, and

each of said mounting portions of said support structure ~~including~~ includes a wire receiving hole that is offset from said rotation axis, and said cam portion ~~including~~ includes a wire receiving bore that is aligned with said wire receiving holes when said cable fixing structure is located in said cable release position.

15. (Currently Amended) A bicycle component comprising:

a first member adapted to be coupled to a bicycle, said first member including a cable housing receiving recess adapted to receive an outer casing of a bicycle control cable; and

a second member movably coupled relative to said first member, said second member including a bicycle control cable fixing device fixedly coupled thereto, said bicycle control cable fixing device configured to non-movably retain an inner wire of the bicycle control cable thereto such that movement of the inner wire moves said second member relative to said first member, said bicycle control cable fixing device including

a support structure with a ~~first~~ cable support surface,

a cable fixing structure non-threadedly supported on said support structure to

rotate about a rotation axis, said cable fixing structure having a ~~second~~ cable pressing surface,

said cable fixing structure and said support structure being arranged and configured such that the inner wire of the bicycle control cable is secured between said ~~first~~ cable support surface and said ~~second~~ cable pressing surface in response to rotational movement of said cable fixing structure.

16. (Original) The bicycle component according to claim 15, wherein said first member includes a base member configured to be mounted to a bicycle frame element,
said second member includes a movable member with a linkage movably coupling said base member to said movable member, and a chain guide coupled to said movable member.

17. (Original) The bicycle component according to claim 16, wherein said linkage includes an inner link and an outer link with said bicycle control cable fixing device is fixedly coupled to a substantially upwardly facing surface of one of said inner and outer links relative to the bicycle in a normal riding position.

18. (Previously Presented) The bicycle component according to claim 15, wherein
said cable fixing structure includes a cam portion rotatably supported by said support structure and an elongated lever portion extending radially outwardly from said cam portion relative to said rotation axis.

19. (Previously Presented) The bicycle component according to claim 18, wherein
said support structure includes a base portion coupled to said second member and a pair of axially spaced mounting portions extending from said base portion with said cam portion of said cable fixing structure rotatably supported between said mounting portions.

20. (Previously Presented) The bicycle component according to claim 19, wherein

said cam portion includes a pair of axial end surfaces and a peripheral cam surface concentrically arranged relative to said rotation axis and extending between said axial end surfaces, and

said base portion includes a peripheral retaining surface disposed relative to said peripheral cam surface to retain said cable fixing structure relative to said support structure when in a cable fixing position and the inner wire is retained between said support structure and said cable fixing structure.

21. (Currently Amended - Withdrawn) The bicycle component according to claim 20, wherein

said peripheral retaining surface of said base portion includes said ~~first~~ cable support surface, and

said peripheral cam surface of said cam portion includes said ~~second~~ cable pressing surface.

22. (Original - Withdrawn) The bicycle component according to claim 21, wherein

at least one of said peripheral retaining surface and said peripheral cam surface includes a groove adapted to at least partially receive the inner wire of the control cable therein.

23. (Previously Presented - Withdrawn) The bicycle component according to claim 21, wherein

said peripheral retaining surface and said peripheral cam surface are arranged and configured to form a space therebetween when said cable fixing structure is located in said cable fixing position, said space being configured to be smaller than a transverse dimension of the inner wire of the control cable such that the inner wire is squeezed between said peripheral retaining surface and said peripheral cam surface to non-movably couple the inner wire to said bicycle control cable fixing device when said cable fixing structure is moved to said cable fixing position from a cable release position.

24. (Previously Presented - Withdrawn) The bicycle component according to claim 21, wherein

said cam portion of said cable fixing structure is rotatably mounted on a pivot pin that extends between said mounting portions of said support structure.

25. (Currently Amended) The bicycle component according to claim 20, wherein at least one of said mounting portions includes an axial retaining surface forming said ~~first~~ cable support surface and disposed opposite to one of said axial end surfaces, which forms said ~~second~~ cable pressing surface, said axial retaining surface being spaced from said axial end surface by a distance to squeeze the inner wire therebetween.

26. (Previously Presented) The bicycle component according to claim 25, wherein

said peripheral cam surface is configured and arranged to contact said peripheral retaining surface when said cable fixing structure is located in said cable fixing position to frictionally prevent movement of said cable fixing structure about said rotation axis.

27. (Previously Presented) The bicycle component according to claim 26, wherein

said at least one of said mounting portions having said axial retaining surface includes a wire receiving hole that is offset from said rotation axis, and

said cam portion includes a wire receiving bore that is aligned with said wire receiving hole when said cable fixing structure is located in a cable release position.

28. (Previously Presented) The bicycle component according to claim 25, wherein

said cam portion is freely rotatably mounted on a pivot pin that extends between said mounting portions of said support structure.

29. (Currently Amended) The bicycle component according to claim 20, wherein

each of said mounting portions of said support structure includes an axial retaining surface disposed opposite to one of said axial end surfaces of said cam portion, said axial retaining surfaces forming said ~~first~~ cable support surface and said axial end surfaces forming said ~~second~~ cable pressing surface.

30. (Previously Presented) The bicycle component according to claim 29, wherein

each of said mounting portions of said support structure includes a wire receiving hole that is offset from said rotation axis, and

said cam portion includes a wire receiving bore that is aligned with said wire receiving holes when said cable fixing structure is located in a cable release position.

31. (Currently Amended) The bicycle component according to claim 18, wherein said ~~second~~ cable pressing surface is formed on said cam portion.

32. (Currently Amended) The bicycle component according to claim 18, wherein said cam portion includes a peripheral cam surface concentrically arranged relative to said rotation axis, and said ~~second~~ cable pressing surface is formed on a surface of said cable fixing structure other than the peripheral cam surface.

33. (Currently Amended - Withdrawn) The bicycle component according to claim 15, wherein

said cable fixing structure includes a cam portion with a peripheral cam surface concentrically arranged relative to said rotation axis, said peripheral cam surface being configured and arranged to move said ~~second~~ cable pressing surface toward said ~~first~~ cable support surface when said cable fixing structure is moved from a cable release position toward a cable fixing position.

34. (Currently Amended) The bicycle control cable fixing device according to claim 2, wherein

said ~~second~~ cable pressing surface is formed on said cam portion.

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35. (Currently Amended) The bicycle control cable fixing device according to claim 2, wherein

said cam portion includes a peripheral cam surface concentrically arranged relative to said rotation axis, and said ~~second~~ cable pressing surface is formed on a surface of said cable fixing structure other than the peripheral cam surface.

36. (Cancelled)